

at least one data storage disk having a plurality of data storing regions disposed on any of a lower disk surface and an upper disk surface;

a spindle motor for rotating the at least one data storage disk;

a single actuator having elongated arms;

a read/write transducer disposed on each of the elongated arms;

a translatable presentation control window buffer supported by the plurality of data storing regions, the presentation control window buffer storing source program segments defining a portion of the multimedia program presentation and comprising a forward window portion and a reverse window portion defined with respect to a current viewing time reference; and

a controller for coordinating writing of the source program segments to the plurality of data storage regions and reading of the source program segments from the presentation control window buffer to effect at least pause, forward, and reverse functions in response to respective pause, forward, and reverse control signals.

<sup>2</sup>  
~~30~~<sub>1</sub> (New) The device of claim <sup>1</sup>~~20~~<sub>1</sub>, wherein the at least one data storage disk includes an upper data storing region disposed on the upper disk surface and a lower data storing region disposed on the lower disk surface, the upper and lower data storing regions defining the presentation control window buffer.

<sup>3</sup>  
~~31~~<sub>1</sub> (New) The device of claim <sup>1</sup>~~20~~<sub>1</sub>, wherein the at least one data storage disk includes an upper data storing region disposed on the upper disk surface and a lower data storing region disposed on the lower disk surface, the upper and lower data storing regions comprising respective spiral tracks.

<sup>4</sup>  
~~32~~<sub>1</sub> (New) The device of claim <sup>3</sup>~~31~~<sub>1</sub>, wherein the controller transitions from a spiral track following mode to a cylindrical track following mode in response to one of the respective pause, forward, and reverse control signals.

<sup>5</sup><sub>33</sub> (New) The device of claim <sup>3</sup><sub>31</sub>, wherein the controller transitions from a spiral track following mode to a cylindrical track following mode to prevent an output buffer of the device from overflowing.

<sup>6</sup><sub>34</sub> (New) The device of claim <sup>1</sup><sub>29</sub>, wherein the controller coordinates writing of non-chronologically ordered source program segments to the data storing regions and coordinates reading of the non-chronologically ordered source program segments from the presentation control window buffer as chronologically ordered source program segments.

<sup>7</sup><sub>35</sub> (New) The device of claim <sup>1</sup><sub>29</sub>, wherein the controller coordinates writing of chronologically ordered source program segments to the data storing regions and coordinates reading of the chronologically ordered source program segments from the presentation control window buffer.

<sup>8</sup><sub>36</sub> (New) The device of claim <sup>1</sup><sub>29</sub>, wherein the multimedia program presentation comprises a live program broadcast.

<sup>9</sup><sub>37</sub> (New) The device of claim <sup>1</sup><sub>29</sub>, wherein the source program segments define frames of the multimedia program presentation.

<sup>10</sup><sub>38</sub> (New) The device of claim <sup>1</sup><sub>29</sub>, wherein the multimedia program presentation comprises pre-processed programming.

<sup>11</sup><sub>39</sub> (New) The device of claim <sup>1</sup><sub>29</sub>, wherein the controller coordinates asynchronous writing of the source program segments to the plurality of data storage regions and coordinates asynchronous reading of the source program segments from the presentation control window buffer to effect the at least pause, forward, and reverse functions in response to the respective pause, forward, and reverse control signals.

<sup>12</sup>  
40. (New) The device of claim <sup>1</sup>~~29~~<sub>1</sub>, wherein the controller coordinates transmission of the source program segments to an output buffer of the device concurrently with coordinating writing of the source program segments to the presentation control window buffer.

<sup>13</sup>  
~~41~~. (New) The device of claim <sup>1</sup>~~29~~<sub>1</sub>, wherein the source program segments comprise compressed digital program segments.

<sup>14</sup>  
~~42~~. (New) A method for buffering at least a portion of a multimedia program presentation comprising source program segments each representative of a temporally unique portion of a multimedia program, the method comprising:

providing a direct access storage device comprising a plurality of read/write heads supported by a single actuator and having a plurality of data storing regions defined on a surface of at least one data storage disk disposed in the direct access storage device;

providing a translatable presentation control window buffer supported by the plurality of data storing regions, the presentation control window buffer storing source program segments defining a portion of the multimedia program presentation and comprising a forward window portion and a reverse window portion defined with respect to a current viewing time reference;

writing the source program segments to the plurality of data storage regions;  
and

reading the source program segments from the presentation control window buffer to effect at least pause, forward, and reverse functions in response to respective pause, forward, and reverse control signals.

<sup>15</sup>  
~~43~~. (New) The method of claim <sup>14</sup>~~42~~<sub>1</sub>, wherein the at least one data storage disk includes an upper data storing region disposed on the upper disk surface and a lower data storing region disposed on the lower disk surface, the upper and lower

B1  
cont

B

data storing regions comprising respective spiral tracks, and writing and reading the source program segments comprises writing and reading the source program segments to and from the spiral tracks.

<sup>16</sup>  
~~44~~. (New) The method of claim <sup>14</sup>~~42~~, further comprising transitioning from a spiral track following mode to a cylindrical track following mode in response to an output buffer overflow condition or one of the respective pause, forward, and reverse control signals.

<sup>17</sup>  
~~45~~. (New) The method of claim <sup>14</sup>~~42~~, wherein writing the source program segments comprises writing non-chronologically ordered source program segments to the data storing regions, and reading the source program segments comprises reading the non-chronologically ordered source program segments from the presentation control window buffer as chronologically ordered source program segments.

<sup>18</sup>  
~~46~~. (New) The method of claim <sup>14</sup>~~42~~, wherein writing the source program segments comprises writing chronologically ordered source program segments to the data storing regions, and reading the source program segments comprises reading the chronologically ordered source program segments from the presentation control window buffer.

<sup>19</sup>  
~~47~~. (New) The method of claim <sup>14</sup>~~42~~, wherein the multimedia program presentation comprises a live program broadcast.

<sup>20</sup>  
~~48~~. (New) The method of claim <sup>14</sup>~~42~~, wherein the multimedia program presentation comprises pre-processed programming.